

CLAIMS

1. Noil for use in paper manufacture, said noil being mixed in paper pulp, characterised in that the noil has been produced from cellulose fibre by refining and consists of noil fibrils which, in respect of in size distribution, mainly correspond to wire screen fraction P50, and that the noil constitutes 0.1 - 15 w-% of the paper pulp.

2. Noil as defined in claim 1, characterised in that the noil fibrils mainly correspond to wire screen fraction P100.

3. Noil as defined in claim 1 or 2, characterised in that the paper pulp contains pigment, the mass ratio of pigment to noil being 0.1 - 20.

4. Noil as defined in any one of claims 1 - 3, characterised in that the noil has been produced by refining cellulose fibre to a Schopper number > 80.

5. Noil as defined in claim 4, characterised in that cellulose fibre has been refined to a Schopper number in the range 85 - 90.

6. Method for producing noil for use in paper manufacture, characterised in that cellulose fibre is refined so as to form noil fibrils that, in respect of size distribution, mainly correspond to wire screen fraction P50.

7. Method as defined in claim 6, characterised in that the noil fibrils mainly correspond to wire screen fraction P100.

8. Method as defined in claim 6 or 7, characterised in that the noil is produced by refining cellulose fibre to a Schopper number > 80.

9. Method as defined in claim 8, characterised in that cellulose fibre and/or mechanical pulp fibre is/are refined to a Schopper number in the range 85 - 90.

10. Paper pulp for use in paper manufacture, containing cellulose fibre and/or mechanical pulp fibre, filler and, if desired, other kinds of noil, characterised in that the paper pulp contains
5 noil that has been produced from cellulose fibre by refining and consists of noil fibrils mainly corresponding in size distribution to wire screen fraction P50 and that the noil constitutes 0.1 - 15 w-% of the paper pulp.

10 11. Paper pulp as defined in claim 10, characterised in that the noil fibrils mainly correspond to wire screen fraction P100.

15 12. Paper pulp as defined in claim 10 or 11, characterised in that the paper pulp contains pigment, the mass ratio of pigment to noil being 0.1 - 20.

20 13. Paper pulp as defined in any one of claims 10 - 12, characterised in that the noil has been produced by refining cellulose fibre to a Schopper number > 80.

14. Paper pulp as defined in claim 11, characterised in that cellulose fibre has been refined to a Schopper number in the range 85 - 90.

25 15. Paper manufactured using noil as defined in any one of claims 1 - 5.

16. Paper manufactured using paper pulp as defined in any one of claims 10 - 14.

add
A3

add
A4